
ABSTRACT

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A propylene-ethylene block copolymer composition having sufficient stiffness and mechanical strength required for the automobile exterior arts can be produced at low cost since no additional steps for blending other rubber components are required. The composition contains methylenebis(2,4-di-t-butylphenol) acid sodium phosphate which is blended with the propylene-ethylene block copolymer in an amount of 300 to 2,000 ppm and has (a) a melt flow rate of 10 to 18 g/10 min when measured at 230°C under a load of 2.16 kg (21.2N); (b) an ordinary temperature xylene insoluble having a stereoregularity index fraction of 98.9% or higher when measured by ¹³C-NMR; and (c) an ordinary temperature xylene soluble having a content of 22 to 28% by weight has a single component with respect to a relaxation time T1 measured by pulse NMR and satisfies the following formula (I):

$$y \leq 0.0014x^3 - 0.0897x^2 - 1.0593x + 231.6 \quad (I)$$

where x is an ethylene content (% by weight) measured by ¹³C-NMR and y is the relaxation time T1 (msec) measured by pulse NMR.
